

Contact: Dan Bechtel

Phone: (951) 344-1243

Email: office@deepenergysolutions.net

Innovative Emerging Technology to Reduce Energy Costs

FOR IMMEDIATE RELEASE

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Murrieta, CA – Dan Bechtel, president of Deep Energy Solutions, is a local business man who has worked with cities and commercial properties in the area for the past 30 years. He is collaborating with Chad Sisco of SCE and Michael Vargas of CMTC, Scott Agajanian and Bruce Coleman from the City of Murrieta Economic Development Department, Martin Kleckner from TriTech and other local agencies to perform a test on the roof top HVAC unit at the Murrieta Public Library to demonstrate how an application of Ceramic Insulation Coating (CIC) Boost will reduce the heat load on the HVAC ducting.



The heat load reduction is based in part on a study performed at Stemilt Processing plant in Valley Springs, CA. The purpose of the Stemilt study was to establish the difference in roof temperature coated with CIC compared to an uncoated section of the roof for a 24-hour period. The primary purpose was to determine the insulation coating's ability to reduce solar heat loading-based temperature on the roof surface. In this study, the temperature under the uncoated section was over 10°F higher than the coated section. The CIC product has been used for over 25-years in the Marine, Food Processing, and Oil/Gas industries. Dan is bringing this clean tech energy saving product into the main stream use, for the building envelope, HVAC ducting and into the transportation industries.

CMTC – California's Manufacturing Resource

The Manufacturing Extension Partnership (MEP) Program is an outgrowth of the U.S. Government policy to develop and deploy technology, management and technical expertise for improving the competitiveness of manufacturing for small and medium-sized companies.

SCE – Southern California Edison

SCE installed data loggers to track the energy use on the chiller units. The data loggers measure, store and analyze 144 different electrical parameters including Volts, Amps, Watts, Volt-Amps (VA), Volt-Amps Reactive (VAR), Kilowatts (kW), Kilowatt Hours (kWh).

The Murrieta Innovation Center

Murrieta has a strong entrepreneurial business base and works to promote the further growth of early stage businesses. This project is part of the City goals of increasing their manufacturing hub. The City works closely with InSoCal CONNECT and TriTech Small Business Development Center which are also involved in the success of this project.

Test Kits Available

Deep Energy Solutions encourages businesses and individuals to get their own results by offering test kits that contain everything that is needed for a 50-sq. ft. application; product, flex spray gun, mixing paddle, and wet mil gage. You just need an air compressor. Web site: www.deepenergysolutions.net



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